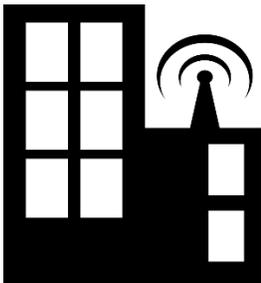


You're invited to the  
*Greater Houston Area Fire Marshal's Council*  
**LUNCH**  
*& Learn*

**GREATER HOUSTON FIRE MARSHAL'S COUNCIL  
QUARTERLY MEETING TO FOLLOW**

**SPEAKER: ROBERT WIMBERLEY**



**BDA ANTENNA SYSTEMS by Honeywell**

Honeywell's Bi-Directional Amplifier strengthens communication during crucial moments to ensure safety of first responders and lives of those they rescue.



**MONDAY, FEBRUARY 11, 2019**

**10:30 AM TO 12:30 PM**

→ **COMPLIMENTARY LUNCH** ←

**MAMARITA'S RESTAURANT**

MEETING IN BACK ROOM

7325 SPENCER HWY  
PASADENA TX 77505



**BDA ANTENNA SYSTEMS by Honeywell**

During an emergency, reliable communication is critical. Staying informed with clear radio transmissions between first responders inside a building and emergency personnel outside the building can help prevent further injuries and save more lives. Emergency Responders lose communications when in-building radio signals are weakened by structures such as concrete, windows, and metal. To solve these communication challenges, look no further than CLS Technology. Honeywell's Bi-Directional Amplifier (BDA) System is a signal boosting solution designed to enhance in-building radio frequency (RF) signal coverage for public safety radio. When combined with Honeywell's fire system, Honeywell provides the reliability and quality expected from a life safety solution.



**WHY BDA ANTENNA?**

Honeywell's Bi-Directional Amplifier strengthens communication during crucial moments to ensure safety of first responders and lives of those they rescue. The new solution bolsters Honeywell's continued efforts to deliver greater integration as part of its Connected Buildings roadmap

**Building Code & Requirements**

A BDA System is a Life Safety System. Similar to fire alarm, BDA is a code driven requirement. The BDA system must be monitored by the building's fire alarm system and annunciate the status of any signal booster. The monitoring panel shall provide visual and labeled indication of the following for each signal booster: › Normal AC power › Signal booster trouble › Loss of normal AC power › Failure of battery charger › Low-battery capacity › Donor antenna trouble .



**Fire Alarm Integration**

Our BDA antenna system will integrate with any fire alarm system on the market. So whether you need a new system or would like to tie into your current system CLS will make sure you have a flawless installation.



**IN AN EMERGENCY, COMMUNICATION SAVES LIVES**



**The problem**

The performance of emergency responders and public safety radio systems can be affected by building construction, building size, construction features and other elements that absorb or block radio communications. Signal strength can be negatively impacted by: › Concrete or metal construction › Large buildings › Underground structures › Low-E glass windows An RF survey is conducted to determine if a building requires a BDA system. This survey, typically conducted by a specialized FCC GROL certified technician and some fire department radio personnel, measures the current buildings Downlink/Uplink signal strengths in decibels-milliwatts (dBm). Survey results are submitted to the Authority Having Jurisdiction – who will determine if a BDA solution is required

**The solution**

Tested and evaluated in accordance with UL 2524 1st Edition requirements for In-building 2-Way Emergency Radio Communication Enhancement Systems, Honeywell's BDA solution enhances two-way radio signal strength inside buildings, tunnels and other structures. The design delivers reliable performance to meet signal strength requirements, even in the most challenging RF environments. Honeywell's Class B, Bi-Directional Amplifier Solutions are a high power, band-selective radio signal booster system that can be designed and customized to meet all public safety frequency band ranges. Honeywell's state of the art BDA System is developed to provide a high rejection of interfering signals, convenient quick-disconnect terminals and built-in End Of Line (EOL) resistors for alarm connections, that allow for easy troubleshooting and channel expansion. At the same time, the signal booster is designed for excellent heat dissipation, corrosion resistance and ease of wall-mounting.

**What is included?**

Honeywell offers all the components required for designing and installing the Emergency Radio Communication Enhancement Systems › Signal Boosters / Bi-Directional Amplifiers (BDA) with in-built Honeywell Fire Alarm Panel Monitor Module › Batteries and Battery Enclosure › Donor Antennas › Distributed Antenna System (DAS) Antennas › Coaxial Cable › Connectors and Lightning Arrestors › Power Dividers and Hybrid Couplers › Design Services and Training

**Contact a CLS consultant today for a free evaluation.**

**Call: 281-347-7973**

**Or visit our website @**

**www.clstechnology.net**